

# M 7.1, 123 km S of Isangel, Vanuatu

Origin Time: 2023-12-07 12:56:30 UTC (Thu 23:56:30 local)  
Location: 20.6585° S 169.2064° E Depth: 48.4 km

**FOR TSUNAMI INFORMATION, SEE: [tsunami.gov](https://tsunami.gov)**

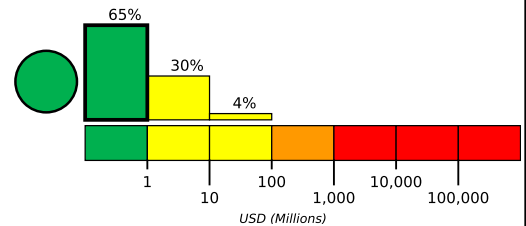
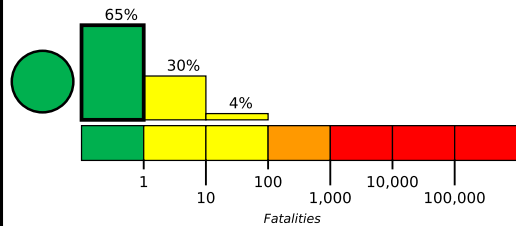
**PAGER  
Version 3**

Created: 2 hours, 6 minutes after earthquake

## Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

## Estimated Economic Losses

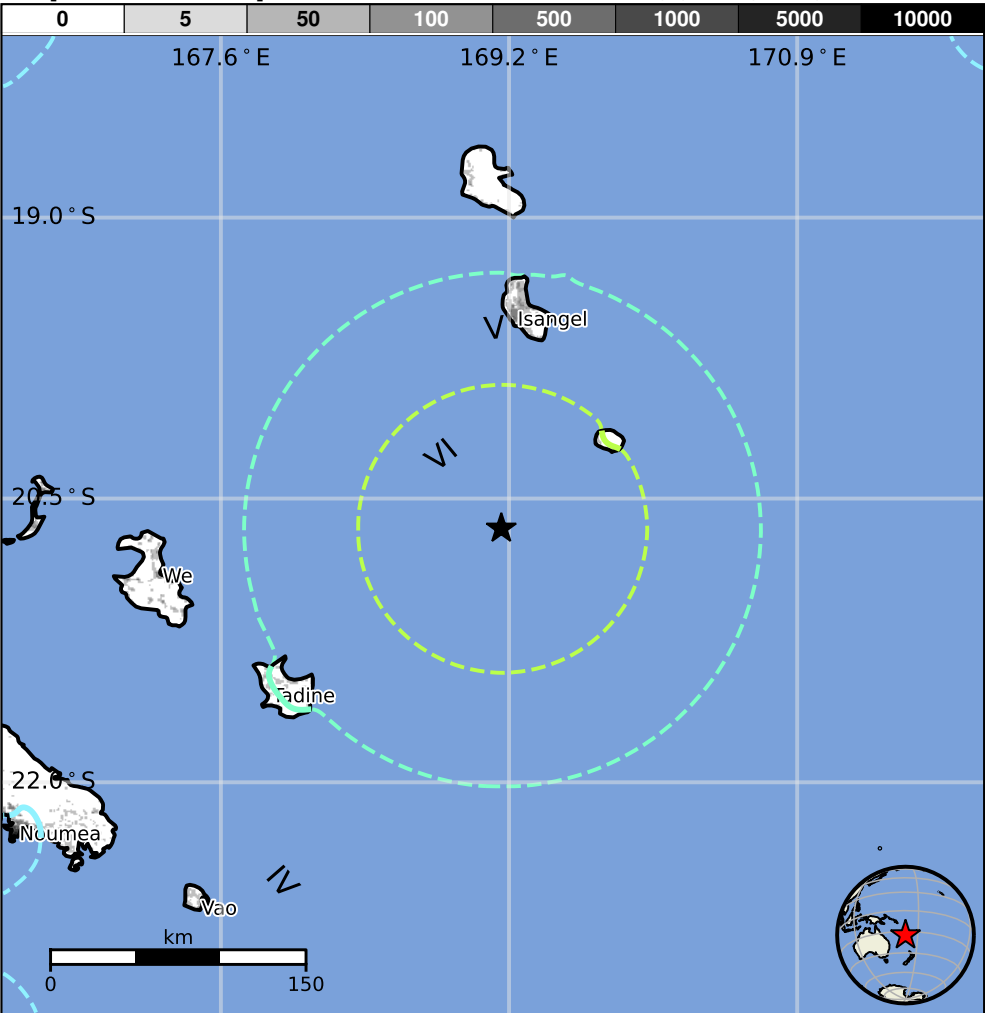


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	126k*	49k	41k	1k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

## Population Exposure



## Structures

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are unknown/miscellaneous types and wood construction.

## Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1980-03-08	319	7.2	I(0)	—
2002-01-03	353	6.6	VIII(22k)	—
2002-01-02	365	7.2	VIII(28k)	0

Recent earthquakes in this area have caused secondary hazards such as tsunamis and landslides that might have contributed to losses.

## Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Isangel	1k
IV	Tadine	7k
IV	We	10k
IV	Fayaoue	4k
IV	Yate-Barrage	2k
IV	Dumbea	19k
IV	Vao	2k
III	Mont-Dore	25k
III	Noumea	93k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.  
<https://earthquake.usgs.gov/earthquakes/eventpage/us7000lgwp#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000lgwp